

Claims

1. Breathable roofing underlayment comprising a sheetlike carrier, for example a base nonwoven, rendered airstream and water tight yet water vapour pervious by a membrane (2) applied to the carrier (1), characterized in that the membrane is a hotmelt adhesive film (2) applied hot directly to the carrier (1).
2. Breathable roofing underlayment according to one or more of the preceding claims or especially according thereto, characterized in that the hotmelt adhesive film (2) comprises EVA, PA, PVAL, PUR.
3. Breathable roofing underlayment according to one or more of the preceding claims or especially according thereto, characterized in that the carrier comprises PP, PET or PE.
4. Breathable roofing underlayment according to one or more of the preceding claims or especially according thereto, characterized in that the carrier (2) is a textile nonwoven having a basis weight of 10 to 150 g/m<sup>2</sup>.
5. Breathable roofing underlayment according to one or more of the preceding claims or especially according thereto, characterized in that the hotmelt adhesive film (2) has been pressed into interstitial spaces (3) in the carrier (2).
6. Breathable roofing underlayment according to one or more of the preceding claims or especially according thereto, characterized by hotmelt adhesive penetrated into voids in the carrier (2).

7. Breathable roofing underlayment according to one or more of the preceding claims or especially according thereto, characterized by an SD value of  $< 0.3$  m for the roofing underlayment.
8. Breathable roofing underlayment according to one or more of the preceding claims or especially according thereto, characterized by a surface tension of  $< 20$  mN/m for the hotmelt adhesive film.
9. Breathable roofing underlayment according to one or more of the preceding claims or especially according thereto, characterized by a top nonwoven (4) applied atop the hotmelt adhesive film (2).
10. Breathable roofing underlayment according to one or more of the preceding claims or especially according thereto, characterized in that the hotmelt adhesive film and/or the top nonwoven are admixed with metal platelets or aluminium coated.
11. Breathable roofing underlayment according to one or more of the preceding claims or especially according thereto, characterized by a reinforcing grid (8) applied atop the hotmelt adhesive film (2).
12. Breathable roofing underlayment according to one or more of the preceding claims or especially according thereto, characterized by an SAP embedded in the hotmelt adhesive film (2).
13. Breathable roofing underlayment according to one or more of the preceding claims or especially according thereto, characterized by glass balloon dust embedded in the hotmelt adhesive film.

14. Breathable roofing underlayment according to one or more of the preceding claims or especially according thereto, characterized by a thermally reactivatable hotmelt adhesive film (2) whereby the roofing underlayment can be applied atop a spacer grid or an insulant.
15. Insulator coated on one side with a breathable roofing underlayment comprising a sheetlike carrier, for example a base nonwoven, rendered airstream and water tight yet water vapour pervious by a membrane (2) applied to the carrier, characterized in that the membrane is a hotmelt adhesive film (2) applied hot directly to the carrier (2).
16. Process for producing a roofing underlayment according to any preceding claim by a carrier structure, for example a base nonwoven (2), having a membrane (1) applied to it continuously, characterized in that the carrier (1) has directly applied to it a slot-extruded film (2) of a hotmelt adhesive.
17. Process according to Claim 16 or especially according thereto, characterized in that the carrier (1) and the film (2) pass through a roll nip (6, 7).
18. Process according to one or more of the preceding claims or especially according thereto, characterized in that the film (2) is pressed by the nip pressure into the voids (3) in the carrier (1).
19. Process according to one or more of the preceding claims or especially according thereto, characterized in that the rolls (6, 7) each or both have an embossing structure.

20. Process according to one or more of the preceding claims or especially according thereto, characterized in that a top nonwoven (4) and a reinforcing grid (8) pass into the nip as well as the film (2) and the carrier (1).

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